

FIG. 5A

SEQ ID NO	Target	Oligo type	Sequence (5'-3')
SEQ ID NO-1	human let-7 miRNA	Invader oligo	ggcctccttgggagcgaactatatacaacg
SEQ ID NO-2	human let-7 miRNA	probe oligo	ccgtctgcctgcgttactactacctcagaguuuucgucg
SEQ ID NO-3	human let-7 miRNA	arrestor oligo	cgagcgaagagucgucgagagagagagagagag
SEQ ID NO-4	human let-7 miRNA	miRNA	uagagagagagagagagagagagagagagag
SEQ ID NO-5	human let-7 miRNA	Invader oligo	ggcctccttgggagcgaactatatacaact
SEQ ID NO-6	human let-7 miRNA	probe oligo	ccgtctgcctgcgttactactacctcagagcguuucgucg
SEQ ID NO-7	human let-7 miRNA	arrestor oligo	cgagcgaagagucgucgagagagagagagagag
SEQ ID NO-8	human let-7 miRNA	Invader oligo	ggcctccttgggagcgaactatatacaact
SEQ ID NO-9	human let-7 miRNA	probe oligo	aacgagagcgcgacccctactactctcagagcguuucgucg
SEQ ID NO-10	human let-7 miRNA	arrestor oligo	cgagcgaagagucgucgagagagagagagagag
SEQ ID NO-11	human miR-1	Invader oligo	ggcctccttgggagcgaactatatacaact
SEQ ID NO-12	human miR-1	probe oligo	aacgagagcgcgacccctactactctcagagcguuucgucg
SEQ ID NO-13	human miR-1	arrestor oligo	cgagcgaagagucgucgagagagagagagagag
SEQ ID NO-14	human miR-1	miRNA	uagagagagagagagagagagagagagagag
SEQ ID NO-15	human miR-1	Invader oligo	ggcctccttgggagcgaactatatacaact
SEQ ID NO-16	human miR-1	probe oligo	aacgagagcgcgacccctactactctcagagcguuucgucg
SEQ ID NO-17	human miR-1	arrestor oligo	cgagcgaagagucgucgagagagagagagagag
SEQ ID NO-18	human miR-1	Invader oligo	ggcctccttgggagcgaactatatacaact
SEQ ID NO-19	human miR-1	probe oligo	aacgagagcgcgacccctactactctcagagcguuucgucg
SEQ ID NO-20	human miR-1	arrestor oligo	cgagcgaagagucgucgagagagagagagagag
SEQ ID NO-21	PAM FRET	PRET probe	Yca-ctt-act-ctg-bgg
SEQ ID NO-22	SRT	Secondary Reaction template	CCA GGA AGC AAG TGA CGC AGC GAC ggu
SEQ ID NO-23	human let-7 miRNA	Invader oligo	ggcctccttgggagcgaactatatacaact
SEQ ID NO-24	human let-7 miRNA	miRNA	uagagagagagagagagagagagagagagag
SEQ ID NO-25	human let-7 miRNA	miRNA	uagagagagagagagagagagagagagagag
SEQ ID NO-26	human let-7 miRNA	miRNA	uagagagagagagagagagagagagagagag
SEQ ID NO-27	human miR-135	Invader oligo	ccagcgaagagucgucggttccacataggaatc
SEQ ID NO-28	human miR-135	probe oligo	aacgagagcgcgacgaamaagccatagagcgaagagcucg
SEQ ID NO-29	human miR-135	arrestor oligo	cgagcgaagagucgucggttccacataggaatc
SEQ ID NO-30	human miR-135	Invader oligo	ccagcgaagagucgucggttccacataggaatc
SEQ ID NO-31	human miR-135	probe oligo	aacgagagcgcgacgaamaagccatagagcgaagagcucg
SEQ ID NO-32	human miR-135	arrestor oligo	cgagcgaagagucgucggttccacataggaatc
SEQ ID NO-33	human miR-135	Invader oligo	ccagcgaagagucgucggttccacataggaatc
SEQ ID NO-34	human miR-135	probe oligo	aacgagagcgcgacgaamaagccatagagcgaagagcucg
SEQ ID NO-35	human miR-135	arrestor oligo	cgagcgaagagucgucggttccacataggaatc
SEQ ID NO-36	human miR-135	Invader oligo	ccagcgaagagucgucggttccacataggaatc
SEQ ID NO-37	human miR-135	probe oligo	aacgagagcgcgacgaamaagccatagagcgaagagcucg
SEQ ID NO-38	human miR-135	arrestor oligo	cgagcgaagagucgucggttccacataggaatc

FIG 5

FIG. 5B

SEQ ID NO	Target	Oligo type	Sequence (5'-3')
SEQ ID NO 39	human miR-16	miRNA	uacacacacatiasauuuuagccg
SEQ ID NO 40	SRT	Secondary Reaction template	CAAGGAAGCAAGGTGGAGGGGTGTGAAGG
SEQ ID NO 41	human GAPDH	Invasder oligo	ggaaucuuuuuGGAACATGTAAACCATC
SEQ ID NO 42	human GAPDH	probe oligo	CGCGGAGATCAGGTAGTGTAGGTC-NH2
SEQ ID NO 43	human GAPDH	arrestor oligo	gacccaaacuaacuauc
SEQ ID NO 44	human miR-125b	miRNA	uaccuuagaccatuuuuuuuagaa
SEQ ID NO 45	U6 RNA	Invasder oligo	GGCCATGCTTAATCTTCA
SEQ ID NO 46	U6 RNA	probe oligo	CGCGGAGATCAGCTGTGTATGTGTTCA-NH2
SEQ ID NO 47	U6 RNA	arrestor oligo	gaaacgaucacagagugauc
SEQ ID NO 48	RED FRET		Ytd-cXtd-cag-tpc-g
SEQ ID NO 49	SRT	Secondary Reaction template	CGCTGCGTGGCTGTACTACCTCA-NH2
SEQ ID NO 50	human let-7a miRNA	probe oligo	AACTATACAACT
SEQ ID NO 51	human let-7a miRNA	probe oligo	AACTATACAACT
SEQ ID NO 52	human let-7a miRNA	probe oligo	AACTATACAACT
SEQ ID NO 53	human let-7a miRNA	Invasder oligo	uuaaguuaguuaguuag
SEQ ID NO 54	human let-7a miRNA	arrestor oligo	uuaaguuaguuaguuag
SEQ ID NO 55	human miR-15	probe oligo	CAAGGAGCGCACATGTGCTCTAagaguuuugugclog
SEQ ID NO 56	human miR-15	Invasder oligo	ggagcguuuuugugcgcACAAACCATTC
SEQ ID NO 57	human miR-15	arrestor oligo	cgagcgaagaguuaguuagcaguuagc
SEQ ID NO 58	human miR-15	probe oligo	CAAGGCGGCACATGTGCTAGCTTGGCTGGCAGCGG-NH2
SEQ ID NO 59	human miR-15	Invasder oligo	GCTTGGCCAGCGGCACAAACCATTC
SEQ ID NO 60	human miR-15	stacker oligo	cgagcguuuugugcgc
SEQ ID NO 61	human miR-15	arrestor oligo	cgagcguuuugugcgcacacacuuuuuagcgc
SEQ ID NO 62	human miR-15	miRNA	uuaaguuaguuaguuuug
SEQ ID NO 63	human miR-135	probe oligo	CAAGGAGCGCACATGTAAAGGACATAGCTGGCAGCGG-NH2
SEQ ID NO 64	human miR-135	Invasder oligo	GCTTGGCCAGCGCGGTTACATAGGC
SEQ ID NO 65	human miR-135	arrestor oligo	cgagcguuuugugcgcacacuuuuuaguuagcgc
SEQ ID NO 66	human miR-15	arrestor oligo	uuaagcgcacuuugcgc
SEQ ID NO 67	human miR-15	probe oligo	CAAGGCGGCACATGTGCTAGGTCGCGAGGCC
SEQ ID NO 68	human miR-15	Invasder oligo	GGCGAAGCGCCCAACCATTC
SEQ ID NO 69	human miR-15	probe oligo	CAAGGAGCGCACATGTGCTAGGTCGAGG4Aggc
SEQ ID NO 70	human miR-15	Invasder oligo	ggcGAAGCGCCCAACCATTC
SEQ ID NO 71	human miR-15	probe oligo	CAAGGAGCGCACATGTGCTAGGTCGAGG4Aggc
SEQ ID NO 72	human miR-15	probe oligo	CAAGGAGCGCACATGTGCTAGGTCGAGG4Aggc
SEQ ID NO 73	human let-7a miRNA	Invasder oligo	ggcuaaggggcACAAACCATTC
SEQ ID NO 74	human let-7a miRNA	probe oligo	GGCACTTTTGTGCCAATATACAACT
SEQ ID NO 75	human let-7a miRNA	Invasder oligo	ggacacTTTTTGTGCCAATATACAACT
SEQ ID NO 76	human let-7a miRNA	probe oligo	CGCTGCTGGCTGTACTACCTCAAGGAGGTTTTTcaucaa

FIG 5

 $\frac{6}{27}$

FIG. 5C

[illegible]

FIG 5